

Datasheet for ABIN570702
anti-AGXT antibody (Internal Region)[Go to Product page](#)

3 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µg |
| Target: | AGXT |
| Binding Specificity: | Internal Region |
| Reactivity: | Human |
| Host: | Goat |
| Clonality: | Polyclonal |
| Conjugate: | This AGXT antibody is un-conjugated |
| Application: | ELISA, Flow Cytometry (FACS), Immunofluorescence (IF) |

Product Details

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|-------------------|---|
| Purpose: | AGXT / AGT |
| Immunogen: | Peptide with sequence C-DKAKKKMYSRK, from the internal region of the protein sequence according to NP_000021.1. |
| Sequence: | DKAKKKMYSR K |
| Isotype: | IgG |
| Cross-Reactivity: | Human |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade: | Verified |

Target Details

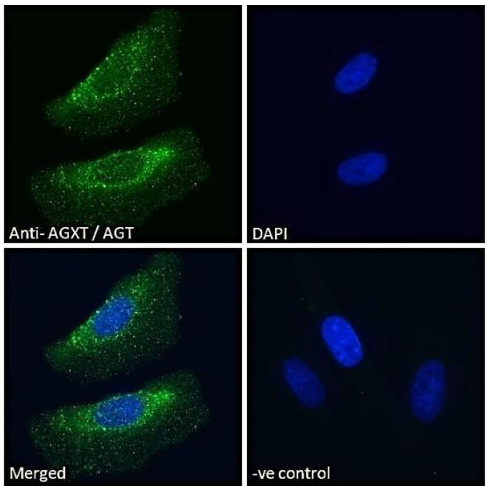
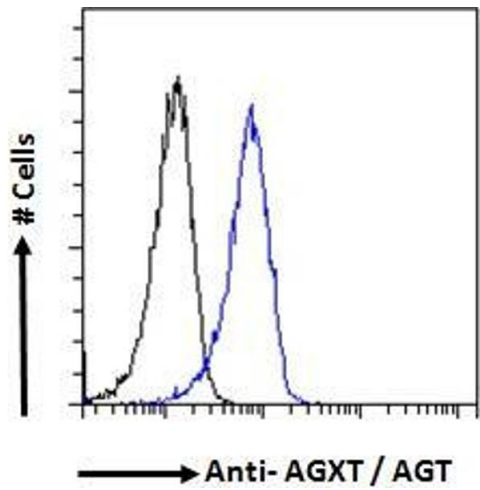
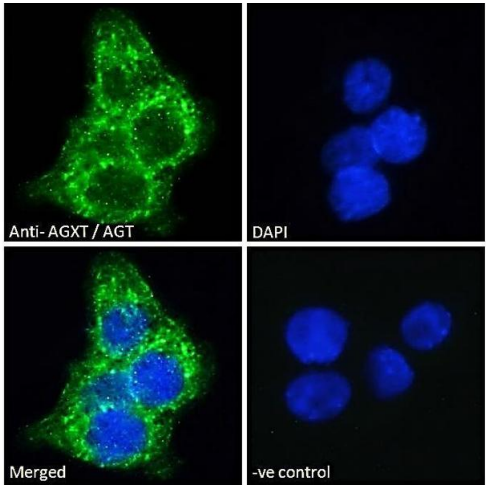
| | |
|-------------------|--|
| Target: | AGXT |
| Alternative Name: | AGXT (AGXT Products) |
| Background: | AGXT, alanine-glyoxylate aminotransferase, AGT, AGT1, AGXT1, PH1, SPAT, SPT, TLH6, L-alanine: glyoxylate aminotransferase 1, hepatic peroxisomal alanine:glyoxylate aminotransferase, serine-pyruvate aminotransferase, serine:pyruvate aminotransferase |
| Gene ID: | 189 |
| NCBI Accession: | NP_000021 |
| Pathways: | Monocarboxylic Acid Catabolic Process , Dicarboxylic Acid Transport |

Application Details

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|--------------------|---|
| Application Notes: | Peptide ELISA: antibody detection limit dilution 1:2000. |
| Comment: | Immunofluorescence: Strong expression of the protein seen in the vesicles of HeLa and HepG2 cells. Recommended concentration: 10µg/ml. Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Buffer: | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Minimize freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |



Immunofluorescence

Image 1. ABIN570702 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).

Flow Cytometry

Image 2. ABIN570702 Flow cytometric analysis of paraformaldehyde fixed HepG2 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.

Immunofluorescence

Image 3. ABIN570702 Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing vesicle staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).